

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
16 December 2004 (16.12.2004)

PCT

(10) International Publication Number  
WO 2004/109992 A1

(51) International Patent Classification<sup>7</sup>: H04L 12/56,  
12/28, G06F 19/00, A61B 5/00

[NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven  
(NL).

(21) International Application Number:  
PCT/IB2004/050785

(72) Inventors; and

(75) Inventors/Applicants (for US only): KLABUNDE,  
Karin [DE/DE]; c/o Philips Intellectual Property &  
Standards GmbH, Weisshausstr. 2, 52066 Aachen (DE).  
MUESCH, Guido [DE/DE]; c/o Philips Intellectual Property & Standards GmbH, Weisshausstr. 2, 52066 Aachen (DE).

(22) International Filing Date: 27 May 2004 (27.05.2004)

(74) Agent: VOLMER, Georg; Philips Intellectual Property &

Standards GmbH, Weisshausstr. 2, 52066 Aachen (DE).

(25) Filing Language: English

(76) Designated States (unless otherwise indicated, for every

kind of national protection available): AB, AG, AL, AM,

(30) Priority Data: 03101659.5 6 June 2003 (06.06.2003) EP

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

(71) Applicant (for DE only): PHILIPS INTELLECTUAL PROPERTY & STANDARDS GMBH [DE/DE]; Stein-damm 94, 20099 Hamburg (DE).

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, ER, EG, ES, FI,

(71) Applicant (for all designated States except DE, US): KONINKLIJKE PHILIPS ELECTRONICS N. V.

GB, GD, GR, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,

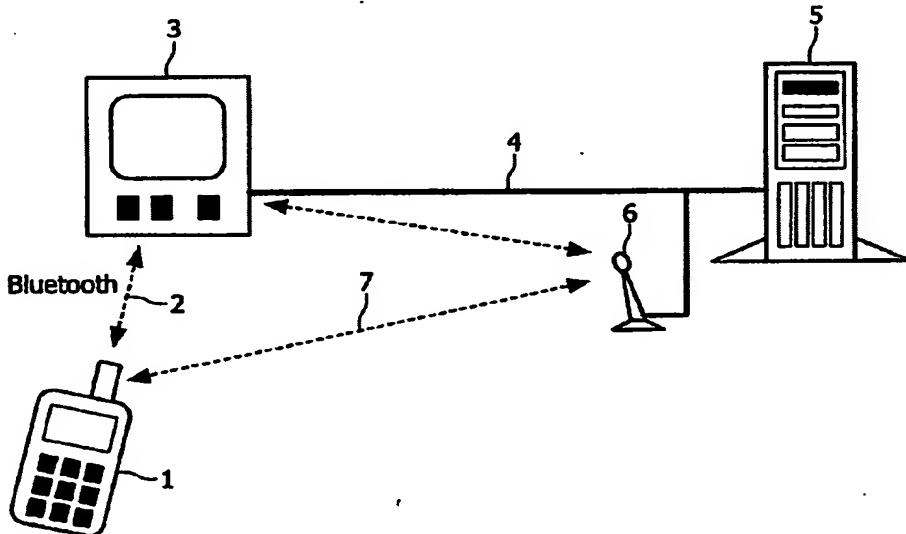
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,

MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,

PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,

*[Continued on next page]*

(54) Title: METHOD OF CONTROLLING WIRELESS DATA TRANSMISSION BY SWITCHING BETWEEN SHORT-RANGE AND LONG-RANGE RADIO TECHNOLOGIES



(57) **Abstract:** The invention relates to a device, in particular a patient monitoring system with a mobile terminal unit (1) for acquiring patient data. The measured data is transferred from the terminal unit (1) via a short-range radio technology (2) (e.g. Bluetooth) to a data monitor (3) arranged at the patient's bedside when the patient is in the vicinity thereof. If necessary, communication can be switched to a long-range radio technology (7) (e.g. WLAN) to ensure interruption-free data transmission while the patient moves around.

WO 2004/109992 A1